

FORM PTO 1449 (modified)		ATTY DOCKET NO. 03500.015786.1		APPLICATION NO. 10/603,996	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) FEB 25 2004		APPLICANT Tsutomu Honma et al.			
		FILING DATE June 26, 2003		GROUP 1625	
U.S. PATENT DOCUMENTS					
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS SUBCLASS FILING DATE IF APPROPRIATE
BN		4,477,654	10/16/84	Holmes et al.	528 361
BN		5,334,698	08/02/94	Witholt et al.	528 354
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBCLASS TRANSLATION YES/NO/ OR ABSTRACT
BN	EP	0 288 908 A2	11/02/88	Europe	
BN	JP	2000-166586	06/20/00	Japan	Abstract
BN	EP	0 392 687 A2	10/17/90	Europe	
BN	EP	0 416 624 A2	03/13/91	Europe	
BN	EP	1 245 605 A2	10/02/02	Europe	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
BN		Baki Hazer et al., "Bacterial Production of Poly-3-Hydroxyalkanoates Containing Aralkyl Substituent Groups," 37(26) <u>Polymer</u> 5951-57 (1996).			
BN		Ohyoung Kim et al., "Bioengineering of Poly(β -hydroxyalkanoates) for Advanced Material Applications: Incorporation of Cyano and Nitrophenoxo Side Chain Substituents," 41 (Supp. 1) <u>Can. J. Microbiol.</u> 32-43 (1995).			
BN		Yoshio Inoue et al., "Biosynthesis of Polyesters from Some Unusual Amino Acids Having Linear Carbon Skeleton by <i>Alcaligenes eutrophus</i> ," 195(11) <u>Macromol. Chem. Phys.</u> 3699-3707 (November 1995).			
BN		Alexander Steinbüchel et al., "Diversity of Bacterial Polyhydroxyalkanoic Acids," 128 <u>FEMS Microbiol. Lett.</u> 219-28 (1995).			
EXAMINER		DATE CONSIDERED			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
HD	EP	1 255 166 A2	11/06/02	Europe			
BP	EP	1 253 161 A2	10/30/02	Europe			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER <div style="text-align: center; font-family: cursive; font-size: 1.2em;">B. J. R. S.</div>	DATE CONSIDERED <div style="text-align: center; font-family: cursive; font-size: 1.2em;">5-10-2005</div>
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BD		4,393,167	07/12/83	Holmes et al.	525	64	
		4,876,331	10/24/89	Doi	528	361	
		5,200,332	04/06/93	Yamane et al.	435	135	
		5,292,860	03/08/94	Shiotani et al.	528	361	
		5,135,859	08/04/92	Witholt et al.	435	135	
		6,485,951 B2	11/26/02	Yano et al.	435	190	
↓		6,492,147 B2	12/10/02	Imamura et al.	435	135	
BD		6,521,429 B2	02/18/03	Honma et al.	435	135	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
BD	EP	1 113 033	07/04/01	Europe			
	JP	63-226291	09/20/88	Japan			Abstract
	JP	2989175	12/13/99	Japan			Abstract
↓	JP	5-64591	03/19/93	Japan			Abstract
BD	JP	5-214081	08/24/93	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
BD		Alan Grund et al., "Regulation of Alkane Oxidation in <i>Psseudomonas putida</i> ," 123(2) J. Bacteriol. 546-556 (1975).					
BD		Y.B. Kim et al., "Preparation and Characterization of Poly(β -Hydroxyalkanoates) Obtained from <i>Pseudomonas oleovorans</i> with Mixtures of 5-Phenylvaleric Acid and <i>n</i> -Alkanoic Acids," 24 Macromol. 5256-5260 (1991).					
BD		Henry J. Vogel et al., "Acetylornithinase of <i>Escherichia coli</i> : Partial Purification and Some Properties," 218 J. Biol. Chem. 97-106 (1956).					
BD		Katharina Fritzsche et al., "An Unusual Bacterial Polyester with a Phenyl Pendant Group," 191 Macromol. Chem. 1957-1965 (1990).					
EXAMINER <i>B. Klenz</i>				DATE CONSIDERED <i>5-11-2005</i>			

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B/D		2001/0055795 A1	12/27/01	Yano et al.	435	135	
↓		2001/0053544 A1	12/20/01	Yano et al.	435	196	
↓		2002/0052444 A1	05/02/02	Imamura et al.	525	107	
B/D		2002/0098565 A1	07/25/02	Yano et al.	435	196	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
B/D	JP	6-145311	05/24/94	Japan			Abstract
↓	JP	6-284892	10/11/94	Japan			Abstract
↓	JP	7-48438	02/21/95	Japan			Abstract
↓	JP	8-89264	04/09/96	Japan			Abstract
B/D	JP	9-191893	07/29/97	Japan			Abstract
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B/D		Suzette M. Aróstegui et al., "Bacterial Polyesters Produced by <i>Pseudomonas oleovorans</i> Containing Nitrophenyl Groups," 32 <u>Macromol.</u> 2889-2895 (1999).					
B/D		Helmut Ritter et al., "Bacterial Production of Polyesters Bearing Phenoxy Groups in Side Chains, 1Poly(3-Hydroxy-5-Phenoxy-pentanoate-co-3-Hydroxy-9-Phenoxy-Nonanoate) From <i>Pseudomonas oleovorans</i> ," 195 <u>Macromol. Chem. Phys.</u> 1665-1672 (1994).					
B/D		YoungBaek Kim et al., "Poly-3-Hydroxyalkanoates Produced From <i>Pseudomonas oleovorans</i> Grown with ω -Phenoxyalkanoates," 29 <u>Macromol.</u> 3432-3435 (1996).					
B/D		Won Ho Park et al., "Epoxidation of Bacterial Polyesters with Unsaturated Side Chains. I. Production and Epoxidation of Polyesters From 10-Undecanoic Acid," 31 <u>Macromol.</u> 1480-1486 (1998).					
EXAMINER				DATE CONSIDERED			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<i>Bp</i>	JP	11-32789	02/09/99	Japan			Abstract
<i>Bp</i>	JP	5-49487	03/02/93	Japan			Abstract
<i>Bp</i>	JP	7-265065	10/17/95	Japan			Abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>Bp</i>		Won Ho Park et al., "Epoxidation of Bacterial Polyesters with Unsaturated Side Chains. II. Rate of Epoxidation and Polymer Properties," 36 J. Polym. Sci. 2381-2387 (1998).
<i>Bp</i>		Yasuo Takagi et al., "Biosynthesis of Polyhydroxyalkanoate with a Thiophenoxy Side Group Obtained from <i>Pseudomonas putida</i> ," 32 Macromol. 8315-8318 (1999).
<i>Bp</i>		Roland G. Lageveen et al., "Formation of Polyesters by <i>Pseudomonas oleoverans</i> : Effect of Substrates on Formation and Composition of Poly-(R)-3-Hydroxyalkanoates and Poly-(R)-3-Hydroxyalkenoates," 54(12) Appl. Environ. Microbiol. 2924-2932 (1988).
<i>Bp</i>		Yoshiharu Doi et al., "Biosynthesis and Characterization of a New Bacterial Copolyester of 3-Hydroxyalkanoates and 3-Hydroxy- ω -Chloroalkanoates," 23 Macromol. 3705-3707 (1990).
EXAMINER <i>B. Dentz</i> DATE CONSIDERED <i>5-11-2005</i>		

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Bd		Joanne M. Curley et al., "Production of Poly(3-Hydroxyalkanoates) Containing Aromatic Substituents by <i>Pseudomonas oleovorans</i> ," 29 <u>Macromol.</u> 1762-1766 (1996).
↓		Kuno Jung et al., "Characterization of New Bacterial Copolyesters Containing 3-Hydroxyalkanoates and Acetoxy-3-Hydroxyalkanoates," 33 <u>Macromol.</u> 8571-8575 (2000).
↓		Richard A. Gross et al., "Cyanophenoxy-Containing Microbial Polyesters: Structural Analysis, Thermal Properties, Second Harmonic Generation and In-Vivo Biodegradability," 39 <u>Polym r International</u> 205-213 (1996).
Bd		Marlanela Andújar et al., "Polyesters Produced by <i>Pseudomonas oleovorans</i> Containing Cyclohexyl Groups," 30 <u>Macromol.</u> 1611-1615 (1997).
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